

## AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system comprising:

a computer system ~~having a processor coupled with a memory,~~ the computer system further including an application server, the application server to ~~generate a unified logging and tracing system having a logging system to~~ generate unified log and trace messages relating to one or more software applications by synergizing configuration settings of a logging mechanism ~~log messages,~~ and a tracing system mechanism, wherein synergizing includes unifying message paths of log messages and trace messages and establishing cross-referencing between log information of the log messages and trace information of the trace messages ~~to generate trace messages,~~ wherein the application server is further to cross-reference the ~~trace messages and the log messages or generate language-independent messages for the log messages,~~ wherein, the unified logging and tracing system is compatible with multiple log and trace messages being independent of programming languages and any particular interfaces, output formats, and destination files associated with each of the programming languages and is controllable such that setting hierarchies of the unified logging and tracing system ~~are reusable,~~ the unified logging and tracing system having a log manager to manage one or more log controllers to receive one or more messages from an application wherein each of the one or

~~more log controllers is a class that includes one or more subclasses or modules selected from a group comprising a category to generate the log messages and a location to generate the trace messages, wherein the trace messages are emitted to the location, the location including an area of program code; and~~  
a viewer in communication with the processor of the computer system, the viewer to display the logging messages and the tracing unified log and trace messages as generated by the unified logging and tracing system.

2. (Currently Amended) The system of claim 1, wherein the ~~log manager is part of a kernel of programming languages~~ are associated with programming engines including a Java 2 Enterprise Edition (J2EE) Engine or an Advanced Business Application Programming (ABAP) engine.

Claims 3-5 (Cancelled)

6. (Currently Amended) The system of claim 1, wherein the application server is further to unified logging and tracing system comprises a formatter to format each of the logging and tracing the unified log and trace messages prior to their publication, wherein a resulting format being independent of the output formats, wherein each of the logging messages is associated with a log record, wherein the log record includes; and  
generate hierarchical configuration of the unified log and trace messages based on severity information, the severity information having providing severities representing constants, the severities including one or more of debug, path, info, warning, error, fatal, and none, wherein the formatter includes one or more subclasses or modules selected from a group comprising a list

~~formatter, a trace formatter, and an Extensible Markup Language (XML) formatter.~~

7. (Currently Amended) The system of claim 6, wherein formatting is performed using a formatter, the formatter including one or more of a list formatter, a trace formatter, and an Extensible Markup Language (XML) formatter is associated with one or more logs, wherein each of the one or more logs includes one or more subclasses or modules selected from a group comprising a stream log, a file log, and a console log.

Claims 8-12 (Cancelled)

13. (Currently Amended) A method comprising:  
generating unified log and trace messages relating to one or more software applications by synergizing configuration settings of a unified logging mechanism and a tracing system mechanism, wherein synergizing includes unifying message paths of log messages and trace messages and establishing cross-referencing between log information of having a logging system to generate the log messages and trace information of the trace messages, the unified log and trace messages being independent of programming languages and any particular interfaces, and a tracing system to generate trace messages, and cross-referencing the trace messages and the log messages or generating language independent messages for the log messages, wherein the unified logging and tracing system is compatible with multiple output formats, and destination files associated with each of the programming languages and is controllable such that setting

hierarchies of the unified logging and tracing system are reusable, the unified logging and tracing system; and

executing the unified logging and tracing system, wherein executing includes receiving one or more messages from an application via one or more log controllers being managed by a log manager, wherein each of the one or more log controllers is a class that includes one or more subclasses or modules selected from a group comprising a category to generate the log messages and a location to generate the trace messages, wherein the trace messages are emitted to the location, the location including an area of program code; and

displaying the unified log and trace logging messages and the tracing messages as generated by the unified logging and tracing system.

Claims 14-15 (Cancelled)

16. (Currently Amended) The method of claim 13, wherein the unified logging and tracing system comprises a formatter to further comprising:
- format the unified log and trace each of the logging and tracing messages prior to their publication, wherein a resulting format being independent of the output formats of the logging and tracking messages, wherein each of the logging messages is associated with a log record, wherein the log record includes; and
- generate hierarchical configuration of the unified log and trace messages based on severity information, the severity information having providing severities representing constants, the severities including one or more of debug, path, info, warning, error, fatal, and none, wherein the formatter includes

~~one or more subclasses or modules selected from a group comprising a list formatter, a trace formatter, and an Extensible Markup Language (XML) formatter.~~

17. (Currently Amended) The method of claim 16, wherein formatting is performed using a formatter, the formatter including one or more of a list formatter, a trace formatter, and an Extensible Markup Language (XML) formatter is associated with one or more logs, wherein each of the one or more logs includes one or more subclasses or modules selected from a group comprising a stream log, a file log, and a console log.
18. (Cancelled)
19. (Currently Amended) A machine-readable storage medium having instructions which, when executed, cause a machine to:
- generate unified log and trace messages relating to one or more software applications by synergizing configuration settings of a unified logging and tracing system having a logging system to generate log messages, mechanism and a tracing system mechanism, wherein synergizing includes unifying message paths of log messages and trace messages and establishing cross-referencing between log information of to generate trace messages, and cross-referencing the trace messages and the log messages and trace information of the trace messages, the unified log and trace messages being independent of programming languages and any particular interfaces, or generating language-independent messages for the log messages, wherein the unified logging and tracing system is compatible with multiple output formats, and destination files associated

~~with each of the programming languages and is controllable such that setting hierarchies of the unified logging and tracing system are reusable; the unified logging and tracing system; and~~  
~~executing of the unified logging and tracing system, wherein executing includes receive one or more messages from an application via one or more log controllers being managed by a log manager, wherein each of the one or more log controllers is a Java class that includes one or more subclasses or modules selected from a group comprising a category to generate the log messages and a location to generate the trace messages, wherein the trace messages are emitted to the location, the location including an area of program code; and~~  
~~display the logging unified log and trace messages and the tracing messages as generated by the unified logging and tracing system.~~

20. (Cancelled)
21. (Currently Amended) The machine-readable storage medium of claim 19, wherein the instructions which, when executed, further cause the machine to: unified logging and tracing system comprises a formatter to  
format the unified log and trace each of the logging and tracing messages prior to their publication, wherein a resulting format being independent of the output formats of the logging and tracking messages, wherein each of the logging messages is associated with a log record, wherein the log record includes, wherein the formatter includes one or more of a list formatter, a trace formatter, and an Extensible Markup Language (XML) formatter;  
and

generate hierarchical configuration of the unified log and trace messages based on severity information, the severity information providing severities representing constants, the severities including having one or more of debug, path, info, warning, error, fatal, and none, wherein the formatter includes one or more subclasses or modules selected from a group comprising a list formatter, a trace formatter, and an Extensible Markup Language (XML) formatter.

Claims 22-23 (Cancelled)

24. (New) The method of claim 13, wherein the programming languages are associated with programming engines including a Java 2 Enterprise Edition (J2EE) Engine or an Advanced Business Application Programming (ABAP) engine.
25. (New) The machine-readable medium of claim 19, wherein the programming languages are associated with programming engines including a Java 2 Enterprise Edition (J2EE) Engine or an Advanced Business Application Programming (ABAP) engine.